GIDB Web Client Tutorial

The GIDB Web Client has a simple menu-driven user interface.

Region: The region menu allows the user to select the region of interest.

- **Recenter at Address** - Opens the Address Input Page. For US, a minimum of zip code, or city and state is required. If the address field is left blank, the map will be centered on the entered city or zip code. For other countries, a minimum of city and country is required. Street address lookup may not be available for all countries. When selections are submitted by hitting the Go button, the map will be recentered based on the selections, and will be zoomed in to a scale of 1:50k.
- **Recenter at Coord** - Opens the Center at Coordinate Page. The user has the option of centering at decimal degree longitude/latitude, degree minute second longitude/latitude, UTM coordinate, or MGRS coordinate. For decimal degrees, use negative values for the Western and Southern Hemispheres.
- **Zoom to US County** - First opens the State Selection Page. After a state is selected, will open the County Selection Page. When submitted, the map will be centered at the selected county and will be zoomed to the smallest scale that completely contains the county bounds.
- **Zoom to US State** - Opens the State Selection Page. When submitted, the map will be centered at the selected state and will be zoomed to the smallest scale that completely contains the state bounds.
- **Zoom to Country** - Opens the Country Selection Page. When submitted, the map will be centered at the selected country and will be zoomed to the smallest scale that completely contains the country bounds.

Layer: The layer menu allows the user to select the theme and map layer to be displayed. The theme names are based on the ISO19115 standard. The list of available map layers will vary based upon the region of interest and map scale.

Options: The options menu allows the user to set display preferences and perform functions such as generate a printable map, search for a layer, or access additional data available through the National Guard Bureau Digital Mapping Server.

- **Generate Printable Map** - Opens the Map Generator Page. This page allows the user to add a title, set the map size, decide what to include with the generated map, and set the output format. When submitted, a map based on the user's selections is generated. When the generated map appears, just hit the print button on the browser. You can also right click on the generated map and save the image to your local computer.
- **Search** - Opens the Search Page. Enter a key word for the map layer you are interested in finding, such as "school". You also have the option of searching for layers available in your current region of interest, or searching for layers that exist within any region (but not necessarily all regions).
- **Change Image Size** - Allows the user to change the map image size, from 100 pixels to 600 pixels. The default is 400 pixels. Note that the larger the image size, the longer it takes to retrieve and display the map image.
- **Change Units** - Allows the user to change distance display from kilometers to miles and vice versa.

- **Change Coordinate Display** - Allows the user to change the coordinate display to degrees minutes seconds (DMS), Military Grid Reference System (MGRS), Universal Transverse Mercator (UTM), or decimal degrees (DD).
- **DMS Data for Region** - The National Guard Bureau Counter Drug (NGB-CD) has developed a Geographic Data Server (GDS). The GDS is part of the Digital Mapping Server (DMS), and provides links to geographic data for regions around the world. This selection provides links from the GDS that may be relevant to your current region of interest.
- **Show/Hide Grid Lines** - Allows the user to show or hide grid lines. The grid lines will be in the coordinate system currently displayed.
- **Show/Hide Center Crosshair** - Allows the user to show or hide a center crosshair. The crosshair marks the center location on the map.

Metadata: Metadata is information about the current map layer, such as where the data came from, who produced it, how old it is, etc. The metadata is based on the FGDC Metadata Standard. The four metadata display forms show the same information, but in different formats. You can try the four choices to determine which form you like best. You may notice that some data layers have more metadata available than others. The amount of metadata provided is dependent upon the data originator, not the GIDB Portal.

- **Outline Form** - Displays the metadata in an outline form, and is the default for FGDC Metadata.
- **Tabbed Form** - Displays the metadata in a tabular format. This selection is commonly used by ESRI products to display metadata.
- **FAQ Form** - Displays the metadata in a question-based format, similar to a FAQ document.
- **Condensed Form** - Displays the metadata in a summarized format. This is the format used by the Geography Network to display metadata.

Documentation: Provides several documents related to the GIDB Portal Web Client.

- **Quick Tutorial** - This document, which describes the capabilities of the GIDB Portal Web Client.
- **Data Sources** - Document which lists the layers, layer names, servers, and websites for the themes available in the Web Client.
- **Servers** - Document which provides a summary of the servers and services which provide data to the Web Client.
- **FAQs** - Document containing Frequently Asked Questions about the Web Client.
- **What's New** - Document listing new developments of the Web Client, month by month.

Links: Provides several links to other sites related to the GIDB Portal Web Client.

- **Full GIDB Mapping Application** - Experience the license-free robust GIDB Mapping Application for functions including map layer control, multiple map layer integration, local data import, data export, 3D capability, map annotation, and much more!
- **NGB-CD Digital Mapping Server** - The National Guard Bureau Counter Drug (NGB-CD) has developed a Digital Mapping Server (DMS) that provides links to geographic data for regions around the world.
- **About Us** - The GIDB Portal is developed by the Digital Mapping, Charting & Geodesy Analysis Program (DMAP) Team at the Naval Research Laboratory located at Stennis Space Center, MS. This is a link to our home page.

Additional Functions (not on menu): There are some capabilities in the GIDB Portal Web Client that are available outside of the menu.

- **Panning** - The pan icons located around the map allow the user to pan the map in the N, S, E, W, NE, NW, SE, and SW directions.
- **Click on Map to Recenter** - The user can manually recenter the map by clicking on the map at the desired new center point.
- **Zoom Buttons** - The user can change the map scale by clicking on the zoom buttons located below the map. The zoom buttons are labeled with the corresponding scale. By holding the mouse over a zoom button, the scale and distance across the map will be displayed.
- **Re-Order Layers** - The user can re-order multiple layers by clicking on a layer in the Selected Layers list and then clicking the up or down arrow icon. Note that the change will not occur on the map until the Refresh Map button is clicked.
- **Remove Layers** - The user can remove a layer by selecting one or more layers from the Selected Layers list and then clicking the remove (X) button. Note that the change will not occur on the map until the Refresh Map button is clicked.
- **Set Active Layer** - The active layer is the layer for which metadata will be retrieved and whose legend will be displayed. The user can set the active layer by selecting a layer from the Selected Layers list and then clicking the Set Active button. Note that the change will not occur on the map until the Refresh Map button is clicked.
- **Set Transparency** - Transparency allows multiple layers to be displayed at once, with top layers more transparent so that bottom layers are visible below them. The bottom layer is never transparent. The degree or percent of transparency can be any value between 0 and 99. To change the transparency of a layer, enter the % transparency then select the layer in the Selected Layers list, then click the Set Trans button. Note that the change will not occur on the map until the Refresh Map button is clicked.
- **Refresh Map** - The Refresh Map button will reload the map based on the current user settings.